The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Source: IFW9	Application Serial Number:	10/826,967A
Data Danas and Inc. STIC: (2/2)/04		
Date Processed by STIC	Date Processed by STIC:	10/22/04

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IFWO

RAW SEQUENCE LISTING DATE: 10/22/2004
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3 <110> APPLICANT: Romeo, Tony
              Wang, Xin
      4
              Desplas, Rebecca L
      7 <120> TITLE OF INVENTION: E.Coli Mutants
      9 <130> FILE REFERENCE: 42623-0044
     11 <140> CURRENT APPLICATION NUMBER: 10/826,967A
     12 <141> CURRENT FILING DATE: 2004-04-16
     14 <150> PRIOR APPLICATION NUMBER: US 60/464,062
     15 <151> PRIOR FILING DATE: 2003-04-17
     17 <160> NUMBER OF SEQ ID NOS: 141
     19 <170> SOFTWARE: PatentIn version 3.2
     21 <210> SEO ID NO: 1
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     23 <212> TYPE: DNA
     24 <213> ORGANISM: Artificial
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     27 <223> OTHER INFORMATION: primer
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75 <210> SEQ ID NO: 5	
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102 <213> ORGANISM: Artificial	
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	gcggccgctc gagcatgcat ctagagggcc ca	
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	gtcctttgtc gatactggta ctaatgcggt to	gaaccatq qctcqaqcct aqqtqatcat 60
284	tgccggcggt cacacgacct taagccgaat to	qqcttaaq acqtctataq qtaqtqtqac 120
286	cgccggcgag ctcgtacgta gatctcccgg gt	taageggg atateactea geataatqtt 180
288	aagtgaccgg cagcaaaatg ttgcagcact ga	cccttttg 220
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292 <211> LENGTH: 309

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Input Set : A:\42623-0044 seq listing.txt Output Set: N:\CRF4\10222004\J826967A.raw

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Input Set : A:\42623-0044_seq listing.txt
Output Set: N:\CRF4\10222004\J826967A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:1; N Pos. 21,22,23,24,25,26,27,28,29,30
Seq#:23; N Pos. 293,295,296,297,298,299,300,301,324,325,326
Seq#:24; N Pos. -1,135,136,138,139,141,143,145
Seq#:25; N Pos. 6,92,134,135,139,149,152,155,157,163,170,171,226
Seq#:27; N Pos. 350,352,354,355,356,357,358
Seq#:29; N Pos. 4
Seq#:30; N Pos. 1,2,4,5,10,15,16,23,153,165,179,189,198,207,232,243,248,256
Seq#:30; N Pos. 258,268,269,279,287,289,292,304,306,310,311,312,313,317,319
Seq#:30; N Pos. 325,326,328,332,337,341,342,344,345,347,350,355,357,361,362
Seq#:30; N Pos. 365,367,370,371,375,379,380,381,385,386,388,389,391,396
Seq#:31; N Pos. 196,202,207,214
Seq#:32; N Pos. 4,217,218,219,245,247,248,249,250
Seq#:33; N Pos. 178,185,188,195,210,213
Seq#:34; N Pos. 10,11
Seq#:36; N Pos. 1,3,4,5,11,186,187,188,189,190,191,192,193,194
Seq#:37; N Pos. 7,114,118,135,149,150,161,172,194,201,202,215,229,232,246
Seq#:37; N Pos. 249,257,275,277,280,285,290,292,293,294,298,300,301,302,303
Seq#:37; N Pos. 304,310,314,319,320,321,323,327,330,332,334,335,336,346,349
Seq#:37; N Pos. 350,354,358,364,369,372,373,374,380,383,384,388,390,391,392
Seq#:38; N Pos. 3,442,449
Seq#:40; N Pos. 1,2,6
Seg#:41; N Pos. 2
Seq#:42; N Pos. 3,229,230,231,232,233,234,235,236,237
Seq#:43; N Pos. 3,119,349,350,351,352,353,355,356,357
Seq#:44; N Pos. 4,13,181,183,185,186,187,188,189,190,191,197,198,199,202
Seq#:44; N Pos. 206
Seq#:45; N Pos. 179,181,196,246,248,256,261,276,277,279,293,300,302,324,331
Seq#:45; N Pos. 339,350
Seq#:46; N Pos. 1,10
Seq#:47; N Pos. 2
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Seq#:49; N Pos. 5,269,276,277,299,300,306,313,315,318,322,328,333,339,350
Seq#:50; N Pos. 2,3,5,8,12,112,128,137,142,147,150,157,158
Seq#:51; N Pos. 3
Seq#:52; N Pos. 152,155,156,157,169,365,366,367,368,369,370,372
Seq#:53; N Pos. 3,148,151,155,156,183,184,185,186,191,192,193,194,195,196
Seq#:53; N Pos. 197,198,199,200,201,202,203,204,208,209,210,211,212,214,217
Seq#:53; N Pos. 220,221,223,224,225,226
Seq#:54; N Pos. 1,2,3,5,20,158,160,161,162,165,166,191,192,193,195,196,197
Seq#:54; N Pos. 198,199,200,201,203,204,205,207,210,213,216,220,221,225
Seq#:55; N Pos. 397,401,404
Seq#:56; N Pos. 4,11,13,118,119,121,122,124,125,148,152,153,154,155,156,160
Seq#:56; N Pos. 161,163,164,165,166,167,168,174,175,176
Seq#:57; N Pos. 273,290,291,293,295,296,298,300,307,310,321,328,330,331,332
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Input Set: A:\42623-0044_seq listing.txt
Output Set: N:\CRF4\10222004\J826967A.raw

Seq#:57; N Pos. 339,341,342,349
Seq#:59; N Pos. 1,7
Seq#:60; N Pos. 2,3,4,5,62,78,86,96,98,110,125,132,141,157,159,173,182,194
Seq#:60; N Pos. 212,222,228,229,232,235,239,246,248,251,254,255,262,266,267
Seq#:60; N Pos. 272,276,279,280,283,285,286,288,290,293,295,298,301,302,303
Seq#:60; N Pos. 305,307,308,310,313,321,323,324,325,326,332,334,335,336,338
Seq#:60; N Pos. 339,341,342,343,344,345,346,347,349,352,353,357,358,364,366

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51
Seq#:52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75
Seq#:76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99
Seq#:100,101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117
Seq#:118,119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135
Seq#:136,137,138,139,140,141

VERIFICATION SUMMARY

L:36 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0

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L:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:240
M:341 Repeated in SeqNo=23
L:391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
M:341 Repeated in SeqNo=24
L:463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
M:341 Repeated in SeqNo=25
L:531 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:300
L:575 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:833 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
M:341 Repeated in SeqNo=30
L:884 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:180
L:921 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
M:341 Repeated in SeqNo=32
L:976 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:120
M:341 Repeated in SeqNo=33
L:1000 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:1063 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
M:341 Repeated in SeqNo=36
L:1292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
M:341 Repeated in SeqNo=37
L:1332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
M:341 Repeated in SeqNo=38
L:1389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:1415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:1446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
M:341 Repeated in SeqNo=42
L:1487 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
M:341 Repeated in SeqNo=43
L:1552 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
M:341 Repeated in SeqNo=44
L:1655 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:120
M:341 Repeated in SeqNo=45
L:1684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
L:1710 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:1746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
M:341 Repeated in SeqNo=48
L:1834 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
M:341 Repeated in SeqNo=49
L:1912 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0
M:341 Repeated in SeqNo=50
L:1934 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0
L:1984 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:120
M:341 Repeated in SeqNo=52
L:2060 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0
M:341 Repeated in SeqNo=53
L:2154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:0
M:341 Repeated in SegNo=54
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L:2200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:360 L:2270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0